

**What is Claimed is:**

1. A cable with at least one transmission element, which is surrounded by a sheath of insulation material, wherein the sheath (M) comprises an inner layer (3) and an outer layer (4), which are firmly bonded together and the values for tensile strength and elongation at break of the inner layer (3) are significantly lower than those of the outer layer (4).

2. A cable as claimed in claim 1, wherein the two layers (3, 4) of the sheath (M) are of approximately the same thickness.

3. A cable as claimed in claim 1, wherein the thickness ratio of the outer layer (4) to the inner layer (3) is between 60:40 and 40:60.

4. A cable as claimed in claim 1, wherein the tensile strength of the inner layer (3) is approximately half of that of the outer layer (4).

5. A cable as claimed in claim 4, wherein the tensile strength of the inner layer (3) is about  $20 \text{ N/mm}^2$ .

6. A cable as claimed in claim 1, wherein the elongation at break of the inner layer (3) is no more than approximately one third of the elongation at break of the outer layer (4).

7. A cable as claimed in claim 6, wherein the elongation at break of the inner layer (3) is about 150%.

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